

PRODUCTION OF ALPHA-OLEFIN OLIGOMER

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Abstract of JP7149673

PURPOSE:To obtain a process for the production of an alpha-olefin oligomer such as 1-hexene in high yield and selectivity on an industrial scale at a low cost in improved utilization efficiency of catalyst.

CONSTITUTION:An alpha-olefin oligomer is produced by the oligomerization of an alpha-olefin in a solvent in the presence of a chromium-based catalyst system consisting of at least a combination of a chromium compound, an amine or a metal amide and an alkylaluminum compound. The alpha-olefin oligomer is separated from the obtained reaction liquid by distillation and the recovered solvent containing the catalyst component is recycled to the reaction system.

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